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## Listing of the Claims

## 1. - 10. (Previously withdrawn)

- 11. (Currently Amended) A thermal bubble inkjet head having a symmetrical off-shooter heater comprising:
- a silicon substrate having a top surface and a bottom surface;
- a first insulating material layer of at least 1000Å thick on said top surface;
- a funnel-shaped manifold formed in said silicon substrate;
- a symmetrical ring-shaped heater formed on said first insulating material layer on said top surface;
- an interconnect formed of a conductive metal in electrical communication with said ring-shaped heater;
- a third second insulating material layer on top of said ring-shaped heater and said first insulating material layer;
- a first photoresist layer of at least 2000Å thick on top of said third second insulating material layer;
- an ink chamber formed in said first photoresist layer in fluid communication with said funnel-shaped manifold;

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a metal seed layer on said first photoresist layer and an inkjet orifice formed in said metal seed layer; and

a Ni layer on top of said metal seed layer with an aperture formed therein in fluid communication with said inkjet orifice.

- 12. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said first photoresist layer preferably has a thickness of at least 5000Å.
- 13. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said inkjet orifice is formed in close proximity to said symmetrical ringshaped heater.
- 14. (Previously Amended) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said first insulating material layer is a  $SiO_2$  layer or a  $Si_3N_4$  layer.
- 15. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said symmetrical ring-shaped heater is formed of TaAl.

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- 16. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said metal seed layer is deposited of Cr or Ni.
- 17. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said ring-shaped heater is positioned juxtaposed to said inkjet orifice.
- 18. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said ring-shaped heater is positioned in said ink chamber.
- 19. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 18, wherein said inkjet orifice is formed in said ink chamber opposite to said ring-shaped heater.
- 20. (Original) A thermal bubble inkjet head having a symmetrical heater according to claim 11, wherein said inkjet head is a monolithic head.